

Release Notes

caArray
Version 1.5.0.1
July 2007

National Cancer Institute Center for Bioinformatics

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1.0 caArray Version 1.5 - Introduction

The caArray data portal is a MIAME compliant data repository that allows submission of MIAME 1.1 level annotations and microarray data via web-based submission forms. Registration is required to submit data, or to access protected data. The most notable new feature for this release is the ability to import MAGE-ML documents.

caArray is a product of the NCI Center for Bioinformatics and its partners. Visit the caArray web site for more information:

-- <http://caarray.nci.nih.gov/>

2.0 Release History

caArray version 1.5.0.1 -- July 2007
caArray version 1.5 -- June 2007
caArray version 1.4 -- October 17, 2006
caArray Version 1.3.1 -- March 31, 2006

3.0 New Features and Updates in 1.5

- Support for SSL access. The portal may now be configured to be accessed via HTTPS only, if desired.
- Enhanced Data File Loading
 - Tab-delimited and white-space delimited data files imported as DataExternal references through caAMEL will be loaded and available as BioDataCubes (via the MAGE-OM API).
- Array Design Data File Reloading
 - caArray now includes functionality to reload existing array design data files based on the new file parsing functionality. Use the following steps to reload data files. A user must have AdminUser permission to

invoke this functionality.

- By default all the files necessary to run the reloader will be copied to the build/deploy/unexploded directory. If you wish to run the reloader from another directory, copy the following required files to the new destination:

```
auth.conf
caarray-client.jar
caarray-reloader.jar
jbossall-client.jar
loader.properties
log4j.jar
```

- Configure the reloader behavior by editing the file loader.properties. Explanations for the various settings are provided in the file.

- To reload array designs, execute the following command:

```
java -cp ./caarray-reloader.jar
gov.nih.nci.caarray.loader.ArrayDesignLoaderClient
> load-array-designs.log
```

This command executes array design reloading and redirects output to a file named load-array-designs.log for later review. The syntax above is for Unix environments; if running in a Windows environment, change the colon to a semi-colon (i.e. "java -cp .;caarray-reloader.jar ...");

- User Management Module:
 - User sees the "User Management" button on successful login. Logged in user can search for existing caArray users, create new users, and modify existing users. Logged in user can also search groups, create new groups, and modify existing groups. The following features are not included/functional in this release:
 - In "Modify User" screen, toggling the "Is Admin User" checkbox - i.e., adding the Admin role to an existing user or deleting the Admin role from an existing Admin user - is not functional.
 - When a group is added/unassigned from a user, the changes are not refreshed to the screen in some cases. The operation is performed successfully in the backend, but changes are sometimes not apparent unless the JBoss server is rebooted.
- UI changes: addition of user login name to header. Note user log in name in top right section of page header.
- Feature 1372 - add link to pubmed and populate fields - completed: see gForge tracker notes
- Feature 2446 - caArray integration with caDSR 3.0
- Moved Affymetrix CDF library (property affyLibraryDirectory in caarray.properties) from caarray/microarrayfiles to standard location under caarrayftp/microarrayfiles.

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4.0 Defects Fixed Since Last Release

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Defects fixed in 1.5.0.1

The following issues that were highlighted as known defects in the 1.5 release have been fixed in 1.5.0.1:

- There are two sporadic issues that may be encountered by some users:
 - Users may encounter an "Access Denied" error when attempted to save data (annotations or hybridization files) to caArray. If a user encounters this error, it is advised that s/he retry the operation.
[GForge Tracker items 6941, 6351, 6342, 6345, 6298, 3791]
 - When a user saves new data to the system, it may not be immediately available in the user interface (for example, in drop down lists). If a user encounters this issue, it is advised that s/he close the current browser window and start a new session in a new browser window.
[GForge Tracker items 1463, 3922, 4228]
- Executing a Search on Arrays without entering any search parameters may result in a query that takes a very long time (10 minutes+) to complete or may not complete at all [GForge Tracker item 6296]

Defects fixed in 1.5

- Bug 1464 Provider and Visibility Not Copied in BioSource Template Copy
- Bug 2389 Update on-line help information
- Bug 2393 Ontologies (Controlled Vocabulary Terms) URI's without 'http://' generates HTTP 500 Error when accessed
- Bug 2583 gov.nih.nci.caarray.ui.biomaterial.TreatmentEvent doesn't implement java.io.Serializable
- Bug 2637 Page loading is very slow
- Bug 2646 URL/Link for public data
- Bug 2690 Can't Remove Quality Control Type After One Has Been Added
- Bug 2769 People should be ordered by last name
- Bug 3127 caArray home page shifts when clicking links in Firefox on Win XP
- Bug 3725 User Admin: User Details - Button Location appears in the wrong section of the page
- Bug 3787 User Management: Search Groups & New Group - Group Details System Error
- Bug 3794 Remove the slow Copy Array feature
- Bug 3796 Update text on the caArray homepage
- Bug 3801 Modify Labeled Extract failed, when no Unit is provided - validation missing
- Bug 3805 User Management: User Details - User Groups - No groups listed
- Bug 3812 User Management: Modify User - Is User Admin? update not applying
- Bug 3860 User Management: New User
- Bug 3861 User Management: All pages
- Bug 3863 User Management: All User Pages (E-Mail vs Email)
- Bug 3864 Possible field that is no longer needed
- Bug 3909 UnitDataFieldMapper throws java.lang.IllegalArgumentException: wrong number of arguments
- Bug 3911 Modifying a Labeled Extract error
- Bug 3912 Deleting Labeled Extract error
- Bug 3925 User Management: Search Users/Groups search results sort order
- Bug 3926 Experiment: Publication
- Bug 3927 Experiment: Add Publication error
- Bug 3982 Delete Hybridization Files
- Bug 3989 User Management: Modify User - Required field error messages on un-modifiable fields
- Bug 3994 User Management: Add & Modify User

- Bug 4001 User Management: Modify User: Disable User - Date format error
- Bug 4002 User Management: Search Groups - Reset button error
- Bug 4029 Upload/Annotate button on some experiments produces system error
- Bug 4032 Error when submitting a new experiment
- Bug 4035 Sample Information: Search Source Materials: Search Results: Delete confirmation
- Bug 4036 Controlled Vocabulary: Upgrade Tumor Grading Details - Submit Update error
- Bug 4093 Incorrect spelling within Workflow graphic on Home page
- Bug 4184 File Upload Subject Line misspelling
- Bug 4369 Exception thrown within Ontologies (Controlled Vocabulary Terms) section when clicked first after Login
- Bug 4449 Modify Labeled Extract Page's Material Type field - Missing Required Field Indicator
- Bug 4468 Server side Zipping utility has a 2 GB limit
- Bug 4601 Problem creating all_XXX.zip files (e.g. all_CEL.zip) -- OS needs large file support enabled
- Bug 4738 Intermittent failure when creating DB connection and enlisting a XA transaction
- Bug 4739 java.lang.SecurityException: Insufficient method permissions ... principal=null
- Bug 5849 MGEDCubeHandler String to Object[][][] conversion method assumes all cube elements are java.lang.Double
- Bug 6127 Unable to edit duplicated/copied LabeledExtracts and BioSamples from Hyb File upload
- Bug 6204 TCGA registration request emails identical to NCICB caArray requests
- Bug 6260 Issues with caArray Workflow image <map .../> on Home page
- Bug 6288 Downloading of Array Designs & Hybridization files FAIL in IE6 & IE7
- Bug 6296 Public search - search arrays takes a long time
- Bug 6299 Public search - Array design detail page implies users may upload an array design file
- Bug 6406 Source code distribution doesn't include all necessary assets
- Bug 6732 hu-u133 plus 2 parsing problem?
- Bug 6784 Unable to run Bulk Array Loader on Staging Tier
- Bug 6844 Staging Array Design Loader: Missing .CDF files from Staging File system
- Bug 7023 Staging Tier:Applet not loading for Hyb file uploads and Array Design Uploads

5.0 Known Issues/Defects

See GForge for latest existing open bugs, resolutions and feature requests. http://gforge.nci.nih.gov/tracker/?group_id=82

Below are highlights pulled out to provide explicit visibility:

- On the "Hybridization files to Annotate" page, the time displayed for the file upload is always 12:00:00 AM EDT [GForge Tracker items 2224, 4647]
- Errors may be encountered when attempting to delete array designs through the user interface. If a user encounters this issue, it is advised that s/he contact the NCICB Application Support or their local system administrator (as relevant) for assistance with array design deletion. [GForge Tracker item 6716]

6.0 Bug Reports, Feature Requests, and Support

Send email to ncicb@pop.nci.nih.gov to request support or report a bug or request a new feature. Existing requests and resolution may be viewed at the caArray GForge URL:

http://gforge.nci.nih.gov/tracker/?group_id=82

7.0 Documentation and Files

All documentation and files are bundled with the distribution. Documentation can be found in the docs subdirectory of this distribution.

8.0 NCICB Web Pages

The NCI Center for Bioinformatics
-- <http://ncicb.nci.nih.gov/>

NCICB Application Support
-- <http://ncicb.nci.nih.gov/NCICB/support>

NCICB Download Center
-- <http://ncicb.nci.nih.gov/download/>